SEQUENCE LISTING

<110> Hayward, Nicholas K.
Weber, Gunther
Grimmond, Sean
Nordenskjold, Magnus
Larsson, Catharina

<120> A NOVEL GROWTH FACTOR AND A GENETIC SEQUENCE ENCODING SAME

<130> Dav. Col. Cave

<140> 09/349,954
<141> 1999-07-08

<150> 08/765,588
<151> 1996-02-22

<160> 23

<170> PatentIn Ver. 2.1

<210> 1
<211> 649
<212> DNA
<213> Nucleotide Sequence of VEGF165

<220>
<221> CDS
<222> (17)..(589)

<400> 1
tcgggcctcc gaaacc atg aac ttt ctg ctg tct tgg gtg cat tgg agc ctt 52

Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu
1 5 10

gcc ttg ctg ctc tac ctc cac cat gcc aag tgg tcc cag gct gca ccc 100

Ala Leu Leu Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro
15 20 25

atg gca gaa gga gga ggg cag aat cat cac gaa gtg gtg aag ttc atg 148

Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys Phe Met
30 35 40

gat gtc tat cag cgc agc tac tgc cat cca atc gag acc ctg gtg gac 196

Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp
45 50 55 60

atc ttc cag gag tac cct gat gag atc gag tac atc ttc aag cca tcc 244

Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser

```
                    65                  70                  75

tgt gtg ccc ctg atg cga tgc ggg ggc tgc tgc aat gac gag ggc ctg   292

Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu
                80                  85                  90

gag tgt gtg ccc act gag gag tcc aac atc acc atg cag att atg cgg   340

Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg
         95                  100                 105

atc aaa cct cac caa ggc cag cac ata gga gag atg agc ttc cta cag   388

Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln
    110                 115                 120

cac aac aaa tgt gaa tgc aga cca aag aaa gat aga gca aga caa gaa   436

His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu
125                 130                 135                 140

aat ccc tgt ggg cct tgc tca gag cgg aga aag cat ttg ttt gta caa   484

Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln
                145                 150                 155

gat ccg cag acg tgt aaa tgt tcc tgc aaa aac aca gac tcg cgt tgc   532

Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys
            160                 165                 170

aag gcg agg cag ctt gag tta aac gaa cgt act tgc aga tgt gac aag   580

Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys
        175                 180                 185

ccg agg cgg tgagccgggc aggaggaagg agcctccctc agcgtttcgg           629

Pro Arg Arg
    190

gaaccagatc tctcaccagg                                             649
```

<210> 2
<211> 191
<212> PRT
<213> Nucleotide Sequence of VEGF165

<400> 2

```
Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu
  1               5                  10                  15

Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly
```

```
            20                  25                  30

Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
         35                  40                  45

Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
     50                  55                  60

Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu
 65                  70                  75                  80

Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro
                 85                  90                  95

Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
            100                 105                 110

Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
        115                 120                 125

Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
    130                 135                 140

Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
145                 150                 155                 160

Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
                165                 170                 175

Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
            180                 185                 190


<210> 3
<211> 1094
<212> DNA
<213> Nucleotide Sequence of SOM175

<220>
<221> CDS
<222> (3)..(623)

<400> 3
cc atg agc cct ctg ctc cgc cgc ctg ctg ctc gcc gca ctc ctg cag    47

   Met Ser Pro Leu Leu Arg Arg Leu Leu Leu Ala Ala Leu Leu Gln
     1               5                  10                  15

ctg gcc ccc gcc cag gcc cct gtc tcc cag cct gat gcc cct ggc cac    95

Leu Ala Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His
                20                  25                  30

cag agg aaa gtg gtg tca tgg ata gat gtg tat act cgc gct acc tgc   143

Gln Arg Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys
```

```
                35                  40                  45

cag ccc cgg gag gtg gtg gtg ccc ttg act gtg gag ctc atg ggc acc   191

Gln Pro Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr
          50                  55                  60

gtg gcc aaa cag ctg gtg ccc agc tgc gtg act gtg cag cgc tgt ggt   239

Val Ala Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly
     65                  70                  75

ggc tgc tgc cct gac gat ggc ctg gag tgt gtg ccc act ggg cag cac   287

Gly Cys Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His
 80                  85                  90                  95

caa gtc cgg atg cag atc ctc atg atc cgg tac ccg agc agt cag ctg   335

Gln Val Arg Met Gln Ile Leu Met Ile Arg Tyr Pro Ser Ser Gln Leu
                100                 105                 110

ggg gag atg tcc ctg gaa gaa cac agc cag tgt gaa tgc aga cct aaa   383

Gly Glu Met Ser Leu Glu Glu His Ser Gln Cys Glu Cys Arg Pro Lys
            115                 120                 125

aaa aag gac agt gct gtg aag cca gac agg gct gcc act ccc cac cac   431

Lys Lys Asp Ser Ala Val Lys Pro Asp Arg Ala Ala Thr Pro His His
        130                 135                 140

cgt ccc cag ccc cgt tct gtt ccg ggc tgg gac tct gcc ccc gga gca   479

Arg Pro Gln Pro Arg Ser Val Pro Gly Trp Asp Ser Ala Pro Gly Ala
    145                 150                 155

ccc tcc cca gct gac atc acc cat ccc act cca gcc cca ggc ccc tct   527

Pro Ser Pro Ala Asp Ile Thr His Pro Thr Pro Ala Pro Gly Pro Ser
160                 165                 170                 175

gcc cac gct gca ccc agc acc acc agc gcc ctg acc ccc gga cct gcc   575

Ala His Ala Ala Pro Ser Thr Thr Ser Ala Leu Thr Pro Gly Pro Ala
                180                 185                 190

gct gcc gct gcc gac gcc gca gct tcc tcc gtt gcc aag ggc ggg gct   623

Ala Ala Ala Ala Asp Ala Ala Ala Ser Ser Val Ala Lys Gly Gly Ala
            195                 200                 205

tagagctcaa cccagacacc tgcaggtgcc ggaagctgcg aaggtgacac atggcttttc 683
```

agactcagca gggtgacttg cctcagaggc tatatcccag tgggggaaca aaggggagcc 743

tggtaaaaaa cagccaagcc cccaagacct cagcccaggc agaagctgct ctaggacctg 803

ggcctctcag agggctcttc tgccatccct tgtctccctg aggccatcat caaacaggac 863

agagttggaa gaggagactg ggaggcagca agaggggtca cataccagct caggggagaa 923

tggagtactg tctcagtttc taaccactct gtgcaagtaa gcatcttaca actggctctt 983

cctcccctca ctaagaagac ccaaacctct gcataatggg atttgggctt tggtacaaga 1043

actgtgaccc ccaaccctga taaaagagat ggaaggaaaa aaaaaaaaaa a 1094

<210> 4
<211> 207
<212> PRT
<213> Nucleotide Sequence of SOM175

<400> 4

```
Met Ser Pro Leu Leu Arg Arg Leu Leu Leu Ala Ala Leu Leu Gln Leu
  1               5                  10                  15

Ala Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His Gln
            20                  25                  30

Arg Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys Gln
        35                  40                  45

Pro Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr Val
    50                  55                  60

Ala Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly Gly
65                  70                  75                  80

Cys Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His Gln
                85                  90                  95

Val Arg Met Gln Ile Leu Met Ile Arg Tyr Pro Ser Ser Gln Leu Gly
            100                 105                 110

Glu Met Ser Leu Glu Glu His Ser Gln Cys Glu Cys Arg Pro Lys Lys
        115                 120                 125

Lys Asp Ser Ala Val Lys Pro Asp Arg Ala Ala Thr Pro His His Arg
    130                 135                 140

Pro Gln Pro Arg Ser Val Pro Gly Trp Asp Ser Ala Pro Gly Ala Pro
```

```
145                 150                 155                 160

Ser Pro Ala Asp Ile Thr His Pro Thr Pro Ala Pro Gly Pro Ser Ala
                165                 170                 175

His Ala Ala Pro Ser Thr Thr Ser Ala Leu Thr Pro Gly Pro Ala Ala
            180                 185                 190

Ala Ala Ala Asp Ala Ala Ala Ser Ser Val Ala Lys Gly Gly Ala
        195                 200                 205


<210> 5
<211> 993
<212> DNA
<213> Nuc. Seq. of SOM175 Absent Exon 6

<220>
<221> CDS
<222> (3)..(566)

<400> 5
cc atg agc cct ctg ctc cgc cgc ctg ctg ctc gcc gca ctc ctg cag    47

   Met Ser Pro Leu Leu Arg Arg Leu Leu Leu Ala Ala Leu Leu Gln
     1               5                  10                  15

ctg gcc ccc gcc cag gcc cct gtc tcc cag cct gat gcc cct ggc cac    95

Leu Ala Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His
                20                  25                  30

cag agg aaa gtg gtg tca tgg ata gat gtg tat act cgc gct acc tgc   143

Gln Arg Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys
            35                  40                  45

cag ccc cgg gag gtg gtg gtg ccc ttg act gtg gag ctc atg ggc acc   191

Gln Pro Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr
        50                  55                  60

gtg gcc aaa cag ctg gtg ccc agc tgc gtg act gtg cag cgc tgt ggt   239

Val Ala Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly
    65                  70                  75

ggc tgc tgc cct gac gat ggc ctg gag tgt gtg ccc act ggg cag cac   287

Gly Cys Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His
80                  85                  90                  95

caa gtc cgg atg cag atc ctc atg atc cgg tac ccg agc agt cag ctg   335

Gln Val Arg Met Gln Ile Leu Met Ile Arg Tyr Pro Ser Ser Gln Leu
                100                 105                 110
```

```
ggg gag atg tcc ctg gaa gaa cac agc cag tgt gaa tgc aga cct aaa   383

Gly Glu Met Ser Leu Glu Glu His Ser Gln Cys Glu Cys Arg Pro Lys
            115                 120                 125

aaa aag gac agt gct gtg aag cca gat agc ccc agg ccc ctc tgc cca   431

Lys Lys Asp Ser Ala Val Lys Pro Asp Ser Pro Arg Pro Leu Cys Pro
        130                 135                 140

cgc tgc acc cag cac cac cag cgc cct gac ccc cgg acc tgc cgc tgc   479

Arg Cys Thr Gln His His Gln Arg Pro Asp Pro Arg Thr Cys Arg Cys
    145                 150                 155

cgc tgc cga cgc cgc agc ttc ctc cgt tgc caa ggg cgg ggc tta gag   527

Arg Cys Arg Arg Arg Ser Phe Leu Arg Cys Gln Gly Arg Gly Leu Glu
160                 165                 170                 175

ctc aac cca gac acc tgc agg tgc cgg aag ctg cga agg tgacacatgg    576

Leu Asn Pro Asp Thr Cys Arg Cys Arg Lys Leu Arg Arg
                180                 185

cttttcagac tcagcagggt gacttgcctc agaggctata tcccagtggg ggaacaaagg 636

ggagcctggt aaaaaacagc caagccccca gacctcagc ccaggcagaa gctgctctag 696

gacctgggcc tctcagaggg ctcttctgcc atcccttgtc tccctgaggc catcatcaaa 756

caggacagag ttggaagagg agactgggag gcagcaagag gggtcacata ccagctcagg 816

ggagaatgga gtactgtctc agtttctaac cactctgtgc aagtaagcat cttacaactg 876

gctcttcctc ccctcactaa gaagacccaa acctctgcat aatgggattt gggctttggt 936

acaagaactg tgacccccaa ccctgataaa agagatggaa ggaaaaaaaa aaaaaaa    993
```

<210> 6
<211> 188
<212> PRT
<213> Nuc. Seq. of SOM175 Absent Exon 6

<400> 6

```
Met Ser Pro Leu Leu Arg Arg Leu Leu Leu Ala Ala Leu Leu Gln Leu
  1               5                  10                  15
```

```
Ala Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His Gln
             20                  25                  30

Arg Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys Gln
         35                  40                  45

Pro Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr Val
     50                  55                  60

Ala Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly Gly
 65                  70                  75                  80

Cys Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His Gln
                 85                  90                  95

Val Arg Met Gln Ile Leu Met Ile Arg Tyr Pro Ser Ser Gln Leu Gly
            100                 105                 110

Glu Met Ser Leu Glu Glu His Ser Gln Cys Glu Cys Arg Pro Lys Lys
        115                 120                 125

Lys Asp Ser Ala Val Lys Pro Asp Ser Pro Arg Pro Leu Cys Pro Arg
    130                 135                 140

Cys Thr Gln His His Gln Arg Pro Asp Pro Arg Thr Cys Arg Cys Arg
145                 150                 155                 160

Cys Arg Arg Arg Ser Phe Leu Arg Cys Gln Gly Arg Gly Leu Glu Leu
                165                 170                 175

Asn Pro Asp Thr Cys Arg Cys Arg Lys Leu Arg Arg
            180                 185
```

<210> 7
<211> 858
<212> DNA
<213> Nuc. Seq. of SOM175 Absent Exons 6&7

<220>
<221> CDS
<222> (3)..(431)

<400> 7

```
cc atg agc cct ctg ctc cgc cgc ctg ctg ctc gcc gca ctc ctg cag    47

   Met Ser Pro Leu Leu Arg Arg Leu Leu Leu Ala Ala Leu Leu Gln
     1               5                  10                  15

ctg gcc ccc gcc cag gcc cct gtc tcc cag cct gat gcc cct ggc cac    95

Leu Ala Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His
                20                  25                  30

cag agg aaa gtg gtg tca tgg ata gat gtg tat act cgc gct acc tgc   143
```

```
Gln Arg Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys
            35                  40                  45

cag ccc cgg gag gtg gtg gtg ccc ttg act gtg gag ctc atg ggc acc   191

Gln Pro Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr
        50                  55                  60

gtg gcc aaa cag ctg gtg ccc agc tgc gtg act gtg cag cgc tgt ggt   239

Val Ala Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly
    65                  70                  75

ggc tgc tgc cct gac gat ggc ctg gag tgt gtg ccc act ggg cag cac   287

Gly Cys Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His
80                  85                  90                  95

caa gtc cgg atg cag atc ctc atg atc cgg tac ccg agc agt cag ctg   335

Gln Val Arg Met Gln Ile Leu Met Ile Arg Tyr Pro Ser Ser Gln Leu
                100                 105                 110

ggg gag atg tcc ctg gaa gaa cac agc cag tgt gaa tgc aga cct aaa   383

Gly Glu Met Ser Leu Glu Glu His Ser Gln Cys Glu Cys Arg Pro Lys
            115                 120                 125

aaa aag gac agt gct gtg aag cca gat agg tgc cgg aag ctg cga agg   431

Lys Lys Asp Ser Ala Val Lys Pro Asp Arg Cys Arg Lys Leu Arg Arg
        130                 135                 140

tgacacatgg cttttcagac tcagcagggt gacttgcctc agaggctata tcccagtggg 491

ggaacaaagg ggagcctggt aaaaaacagc caagccccca agacctcagc ccaggcagaa 551

gctgctctag gacctgggcc tctcagaggg ctcttctgcc atcccttgtc tccctgaggc 611

catcatcaaa caggacagag ttggaagagg agactgggag gcagcaagag gggtcacata 671

ccagctcagg ggagaatgga gtactgtctc agtttctaac cactctgtgc aagtaagcat 731

cttacaactg gctcttcctc ccctcactaa gaagacccaa acctctgcat aatgggattt 791

gggctttggt acaagaactg tgacccccaa ccctgataaa agagatggaa ggaaaaaaaa 851

aaaaaaa                                                          858
```

<210> 8
<211> 143
<212> PRT
<213> Nuc. Seq. of SOM175 Absent Exons 6&7

<400> 8

```
Met Ser Pro Leu Leu Arg Arg Leu Leu Leu Ala Ala Leu Leu Gln Leu
  1               5                  10                  15

Ala Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His Gln
            20                  25                  30

Arg Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys Gln
         35                  40                  45

Pro Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr Val
     50                  55                  60

Ala Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly Gly
 65                  70                  75                  80

Cys Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His Gln
                 85                  90                  95

Val Arg Met Gln Ile Leu Met Ile Arg Tyr Pro Ser Ser Gln Leu Gly
            100                 105                 110

Glu Met Ser Leu Glu Glu His Ser Gln Cys Glu Cys Arg Pro Lys Lys
        115                 120                 125

Lys Asp Ser Ala Val Lys Pro Asp Arg Cys Arg Lys Leu Arg Arg
    130                 135                 140
```

<210> 9
<211> 910
<212> DNA
<213> Nuc. Seq. of SOM175 Absent Exon 4

<220>
<221> CDS
<222> (3)..(305)

<400> 9

```
cc atg agc cct ctg ctc cgc cgc ctg ctg ctc gcc gca ctc ctg cag    47

   Met Ser Pro Leu Leu Arg Arg Leu Leu Leu Ala Ala Leu Leu Gln
     1               5                  10                  15

ctg gcc ccc gcc cag gcc cct gtc tcc cag cct gat gcc cct ggc cac    95

Leu Ala Pro Ala Gln Ala Pro Val Ser Gln Pro Asp Ala Pro Gly His
                20                  25                  30
```

```
cag agg aaa gtg gtg tca tgg ata gat gtg tat act cgc gct acc tgc   143

Gln Arg Lys Val Val Ser Trp Ile Asp Val Tyr Thr Arg Ala Thr Cys
            35                  40                  45

cag ccc cgg gag gtg gtg gtg ccc ttg act gtg gag ctc atg ggc acc   191

Gln Pro Arg Glu Val Val Val Pro Leu Thr Val Glu Leu Met Gly Thr
        50                  55                  60

gtg gcc aaa cag ctg gtg ccc agc tgc gtg act gtg cag cgc tgt ggt   239

Val Ala Lys Gln Leu Val Pro Ser Cys Val Thr Val Gln Arg Cys Gly
    65                  70                  75

ggc tgc tgc cct gac gat ggc ctg gag tgt gtg ccc act ggg cag cac   287

Gly Cys Cys Pro Asp Asp Gly Leu Glu Cys Val Pro Thr Gly Gln His
80                  85                  90                  95

caa gtc cgg atg cag acc taaaaaaaag gacagtgctg tgaagccaga          335

Gln Val Arg Met Gln Thr
                100

cagggctgcc actccccacc accgtcccca gccccgttct gttccgggct gggactctgc 395

ccccggagca ccctccccag ctgacatcac ccatcccact ccagccccag gcccctctgc 455

ccacgctgca cccagcacca ccagcgccct gacccccgga cctgccgctg ccgctgccga 515

cgccgcagct tcctccgttg ccaagggcgg ggcttagagc tcaacccaga cacctgcagg 575

tgccggaagc tgcgaaggtg acacatggct tttcagactc agcagggtga cttgcctcag 635

aggctatatc ccagtgggga acaaagagga gcctggtaaa aaacagccaa gcccccaaga 695

cctcagccca ggcagaagct gctctaggac ctgggcctct cagagggctc ttctgccatc 755

ccttgtctcc ctgaggccat catcaaacag gacagagttg gaagaggaga ctgggaggca 815

gcaagagggg tcacatacca gctcagggga gaatggagta ctgtctcagt ttctaaccac 875

tctgtgcaag taagcatctt acaactggct cttcc                          910
```

<210> 10
<211> 101
<212> PRT
<213> Nuc. Seq. of SOM175 Absent Exon 4

<400> 10

Met	Ser	Pro	Leu	Leu	Arg	Arg	Leu	Leu	Leu	Ala	Ala	Leu	Leu	Gln	Leu
1				5				10					15		

Ala	Pro	Ala	Gln	Ala	Pro	Val	Ser	Gln	Pro	Asp	Ala	Pro	Gly	His	Gln
			20					25					30		

Arg	Lys	Val	Val	Ser	Trp	Ile	Asp	Val	Tyr	Thr	Arg	Ala	Thr	Cys	Gln
		35					40					45			

Pro	Arg	Glu	Val	Val	Val	Pro	Leu	Thr	Val	Glu	Leu	Met	Gly	Thr	Val
	50					55					60				

Ala	Lys	Gln	Leu	Val	Pro	Ser	Cys	Val	Thr	Val	Gln	Arg	Cys	Gly	Gly
65					70					75					80

Cys	Cys	Pro	Asp	Asp	Gly	Leu	Glu	Cys	Val	Pro	Thr	Gly	Gln	His	Gln
				85					90					95	

Val	Arg	Met	Gln	Thr
			100	

<210> 11
<211> 42
<212> DNA
<213> Oligonucleotide

<400> 11
accaccacct ccctgggctg gcatgtggca cgtgcataaa cg 42

<210> 12
<211> 42
<212> DNA
<213> Oligonucleotide

<400> 12
agttgtttga ccacattgcc catgagttcc atgctcagag gc 42

<210> 13
<211> 38
<212> DNA
<213> Oligonucleotide

<400> 13
gatcctgggg ctggagtggg atggatgatg tcagctgg 38

<210> 14
<211> 40
<212> DNA
<213> Oligonucleotide

<400> 14
gcgggcagag gatcctgggg ctgtctggcc tcacagcact 40

<210> 15
<211> 236
<212> DNA
<213> Human SOM175

<400> 15
atgaggggcc aggtacgtga ggtctcccac aggcccctgg aaagaatact tacatctgct 60

cccatggtgt atgcaggtcc gagatgctga atacagatcc tcatgcaggt gtcaggcaac 120

ttttcaagac ctaaagacag gtgagtcttt ctcctccgta ggctgcctcc agccccaggc 180

cccccactcc agccccagac ccagacacct gtagccctgc tcaggtgccg aggtga 236

<210> 16
<211> 1242
<212> DNA
<213> mVRF

<220>
<221> CDS
<222> (166)..(831)

<400> 16
gcacgagctc aggccgtcgc tgcggcgctg cgttgcgctg cctgcgccca gggctcggga 60

gggggccgcg gaggagccgc cccctgcgcc ccgccccggg tccccgggtc cgcgccatgg 120

ggcggctctg gctgaccccc ccccacaccg ccgggctagg gcccg atg agc ccc ctg 177
Met Ser Pro Leu
1

ctg cgt cgc ctg ctg ctt gtt gca ctg ctg cag ctg gct cgc acc cag 225
Leu Arg Arg Leu Leu Leu Val Ala Leu Leu Gln Leu Ala Arg Thr Gln
5 10 15 20